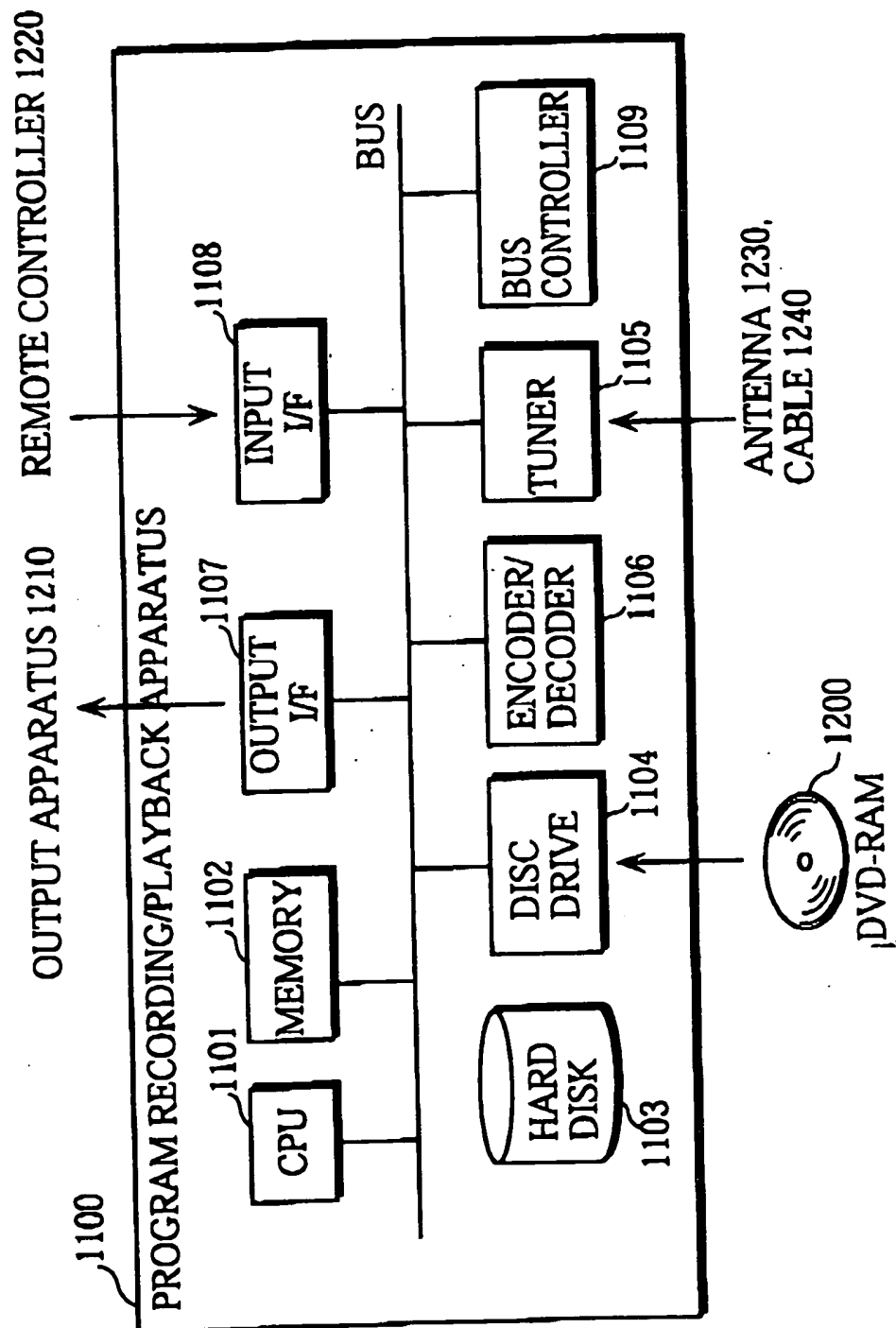


fig. 2



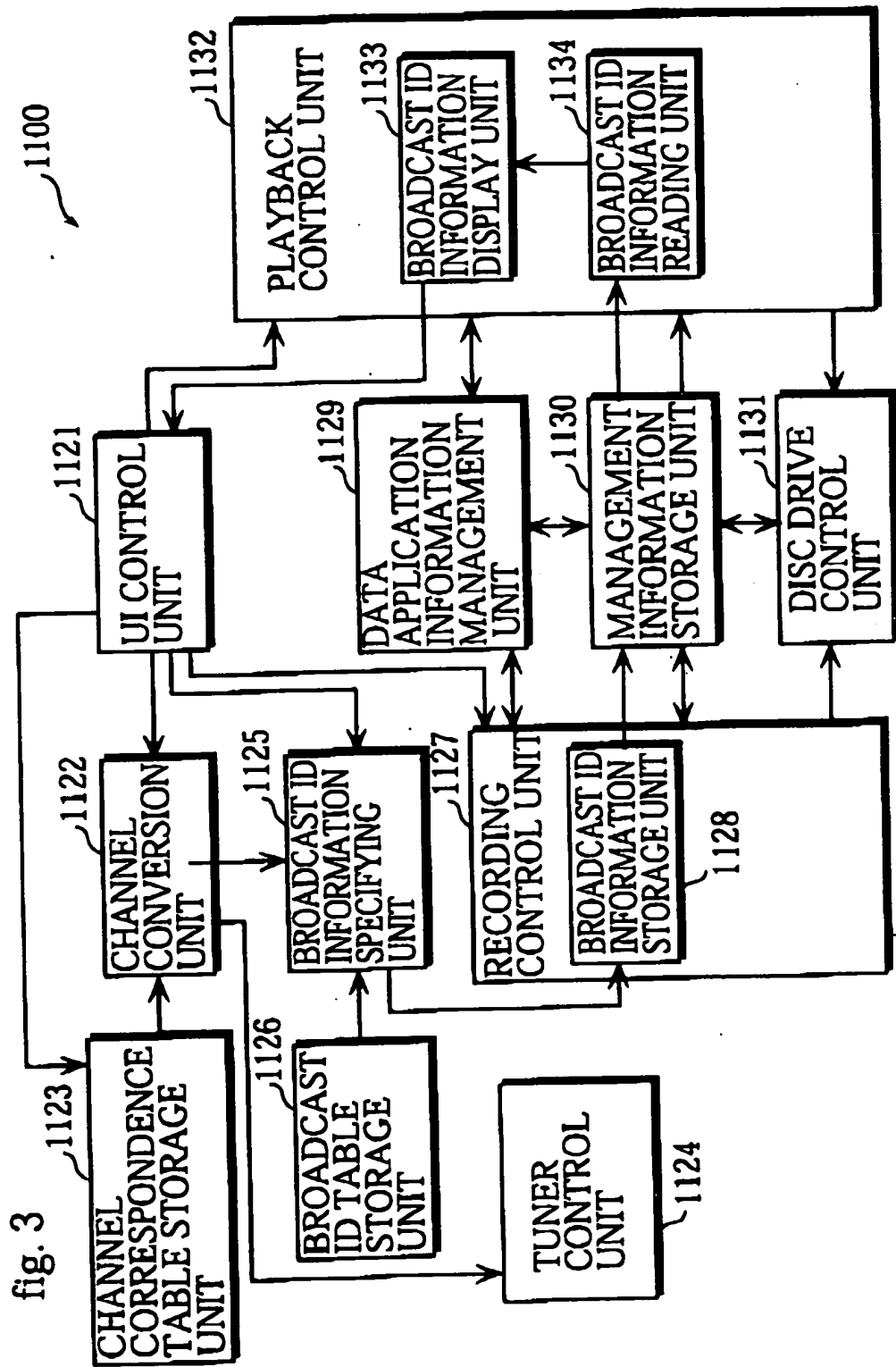


fig. 4

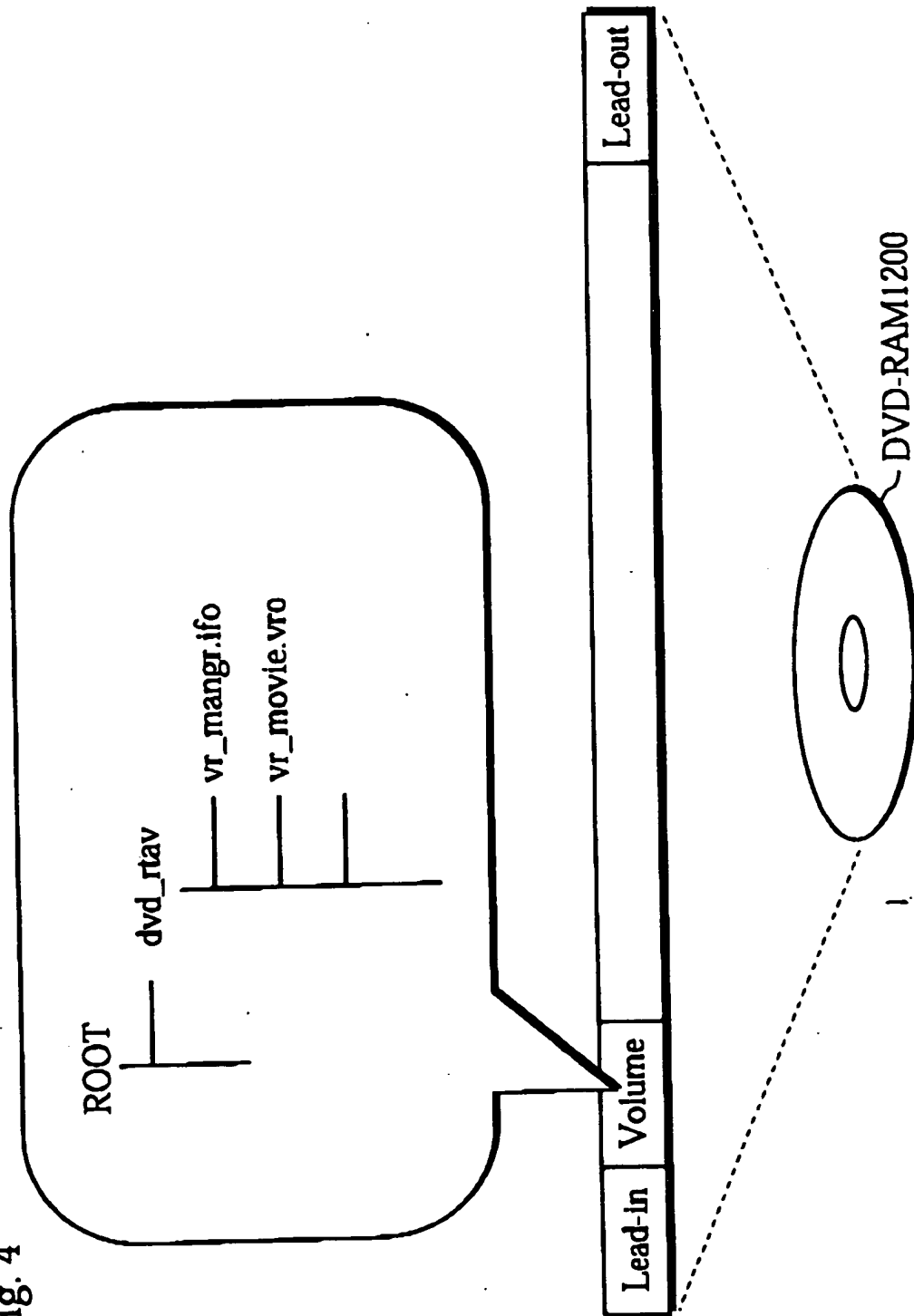
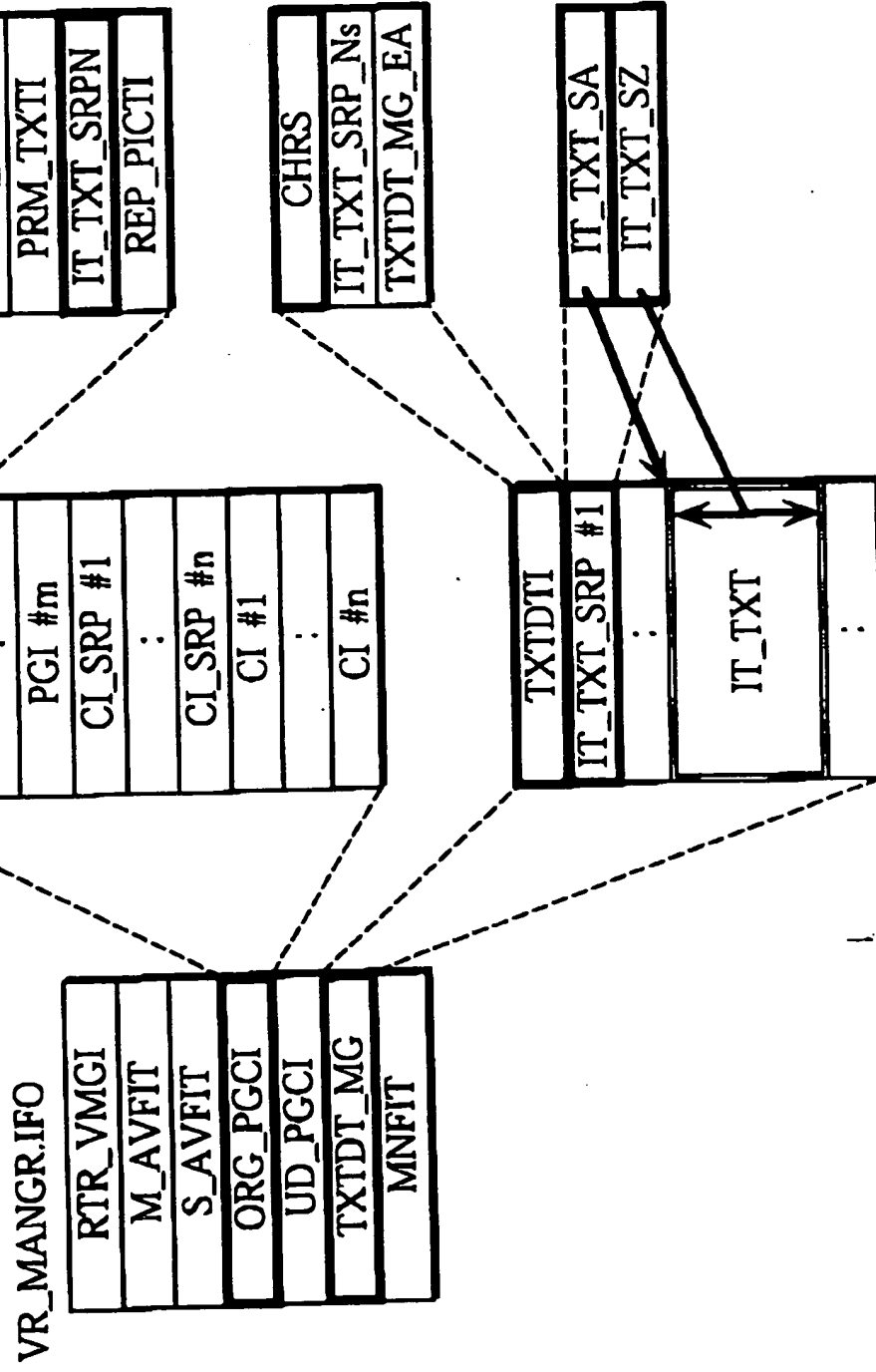


fig. 5



005500F "FE962960

fig. 6

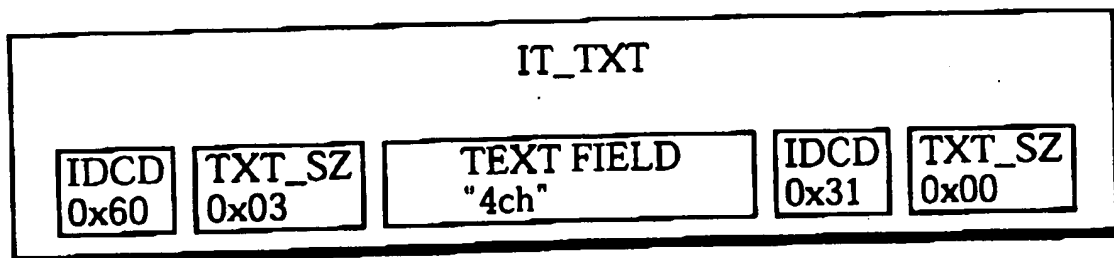


fig. 7

| OPERATION CHANNEL | BROADCAST CHANNEL | |
|----------------------|---------------------|-----------------------------|
| | BROADCAST FORMAT | BROADCAST CHANNEL NUMBER |
| 1 | TA | 2 |
| 2 | TA | 12 |
| 3 | BA | 7 |
| 4 | BA | 11 |
| 5 | TA | 6 |
| 6 | BA | 150 |
| 7 | CA | 16 |
| | | |

fig. 8

| SORT CODE | RECEPTION CONDITION |
|-----------|---------------------|
| 0001 | HOKKAIDO |
| ⋮ | ⋮ |
| 0013 | TOKYO |
| ⋮ | ⋮ |
| 0027 | OSAKA |
| ⋮ | ⋮ |
| 0101 | XYZ CABLE TV |
| ⋮ | ⋮ |
| 1001 | DIRECTV SPORTS |
| 1002 | DIRECTV MUSIC |
| ⋮ | ⋮ |

fig. 9

| RECEPTION CONDITION | BROADCAST CHANNEL | | BROADCAST STATION CODE | BROADCAST STATION NAME |
|------------------------|---------------------|-----------------------------|---------------------------|---------------------------|
| | BROADCAST FORMAT | BROADCAST CHANNEL NUMBER | | |
| TOKYO | TA | 2 | 0x0001 | NHK GENERAL (TOKYO) |
| TOKYO | TA | 12 | 0x0002 | NHK EDUCATIONAL (TOKYO) |
| OSAKA | TA | 2 | 0x0011 | NHK GENERAL (OSAKA) |
| OSAKA | TA | 12 | 0x0012 | NHK EDUCATIONAL (OSAKA) |
| OSAKA | TA | 6 | 0x0015 | ABC |
| NATIONWIDE | BA | 7 | 0x0003 | NHK SATELLITE 1 |
| NATIONWIDE | BA | 11 | 0x0004 | NHK SATELLITE 2 |
| NATIONWIDE | BA | 150 | 0x0100 | WOWOW |
| XYZ CABLE TV | CA | 16 | 0x0100 | WOWOW |

fig. 10

| ITEM | SIZE (BYTES) | EXAMPLE SETTING |
|-------------------------------|--------------|-------------------|
| IDCD | 1 | 0x90 |
| TXT_SZ | 1 | 0x23 |
| DATA APPLICATION ID | 9 | "dvdvrx010" |
| USE | 2 | "BC" |
| CHANNEL ID | 2(VARIABLE) | "11" |
| BROADCAST STATION ID | 4(VARIABLE) | "0004" |
| NAME | 11(VARIABLE) | "NHK SATELLITE 2" |
| COUNTRY | 3 | "JPN" |
| BROADCAST FORMAT | 2 | "BA" |
| CHANNEL ID BYTE NUMBER | 1 | "2" |
| BROADCAST STATION BYTE NUMBER | 1 | "4" |

fig. 11

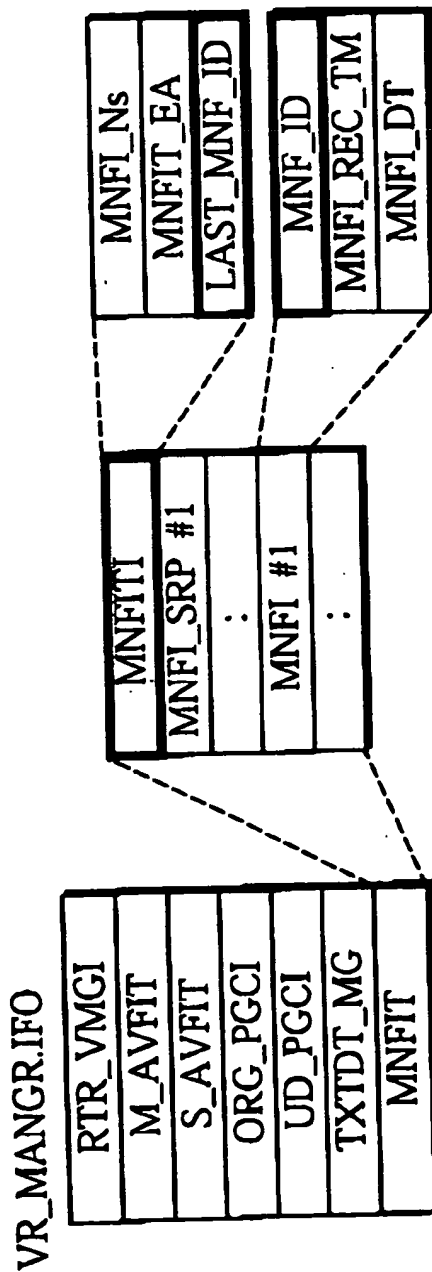


fig. 12

| CLASSIFICATION | ITEM | SIZE(byte) | EXAMPLE SETTING |
|---------------------------|-----------------------|------------|-----------------|
| EXTERNAL APPLICATION AREA | DATA APPLICATION ID | 9 | "dvdxvx010" |
| | COMPANY CODE | 9 | "panasonic" |
| INTERNAL APPLICATION AREA | INTERNAL VERSION | 2 | "01" |
| | PRODUCT TYPE | 1 | "0" |
| | PUBLIC/COMMERCIAL USE | 1 | "0" |
| | SERIAL NUMBER | 10 | "0125967012" |

fig. 13

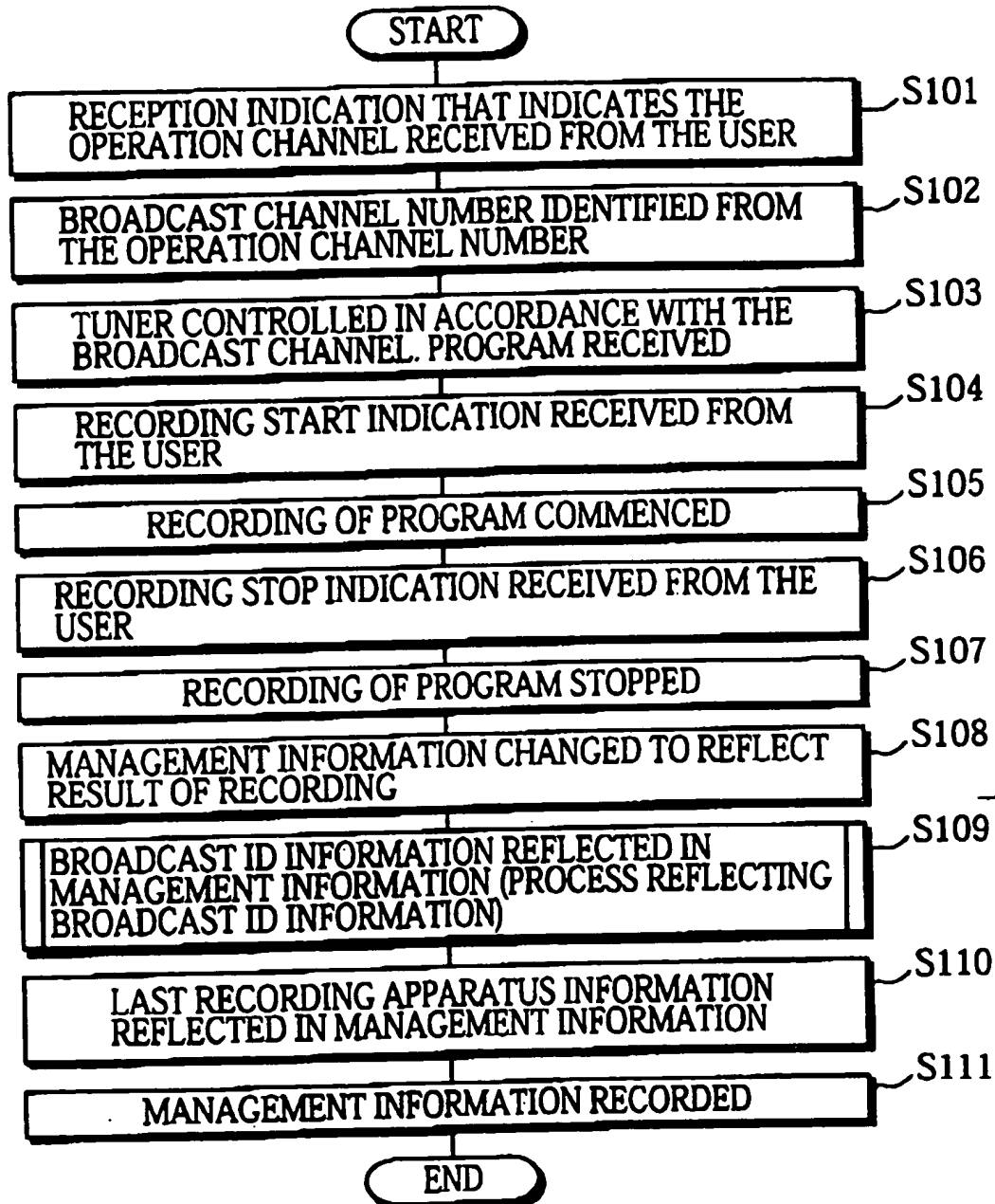


fig. 14

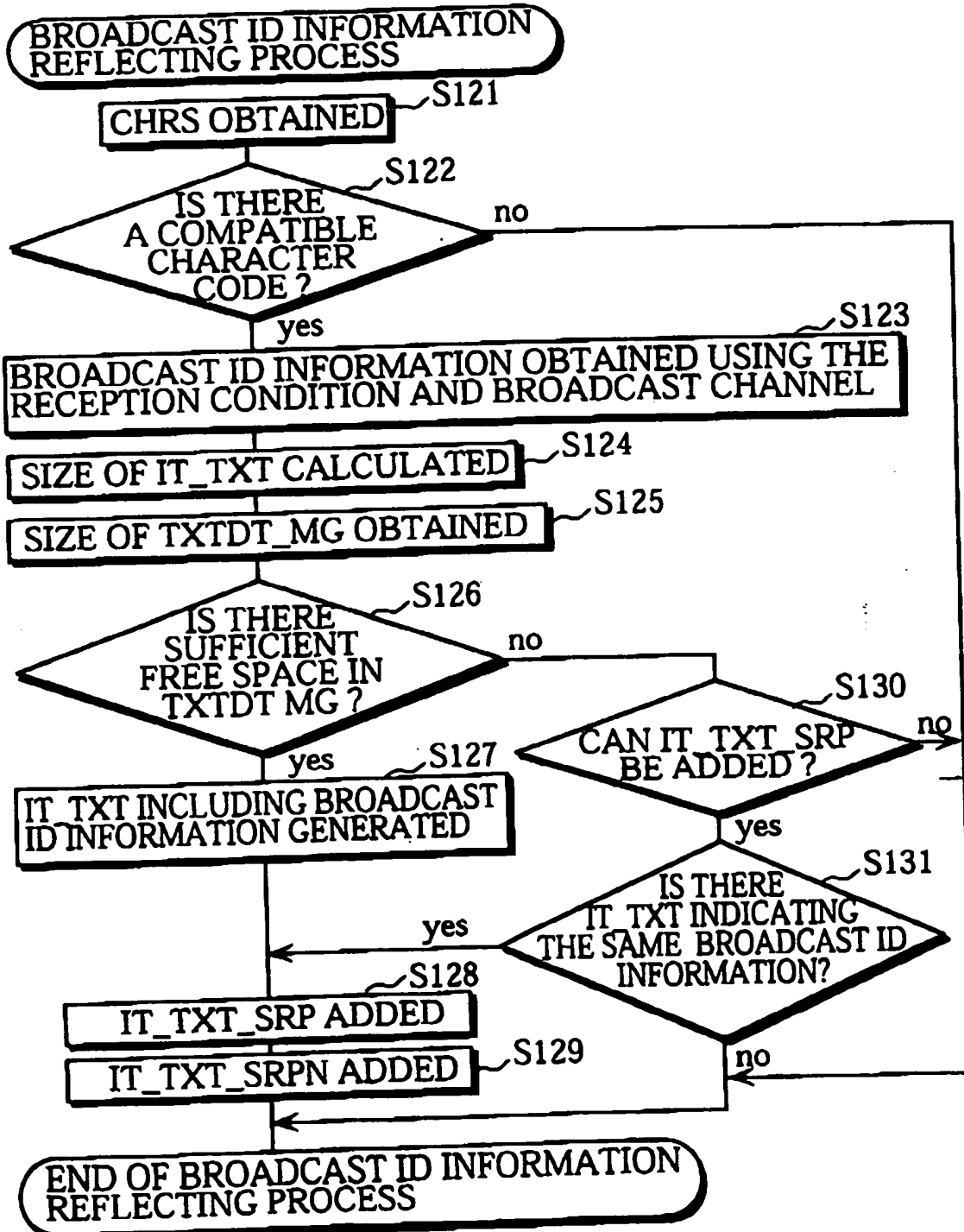
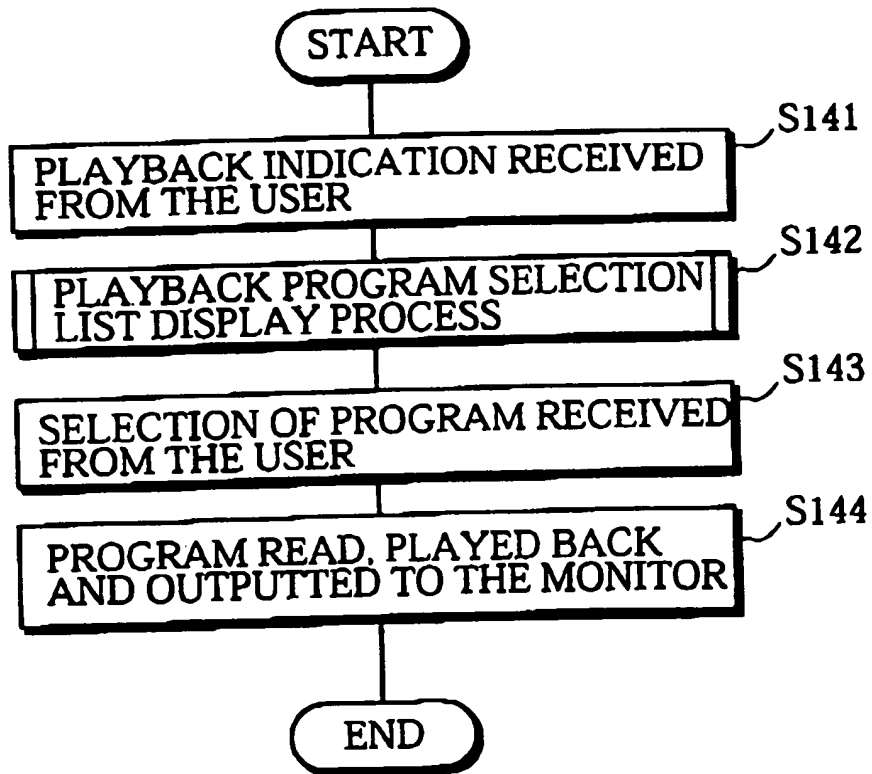


fig. 15



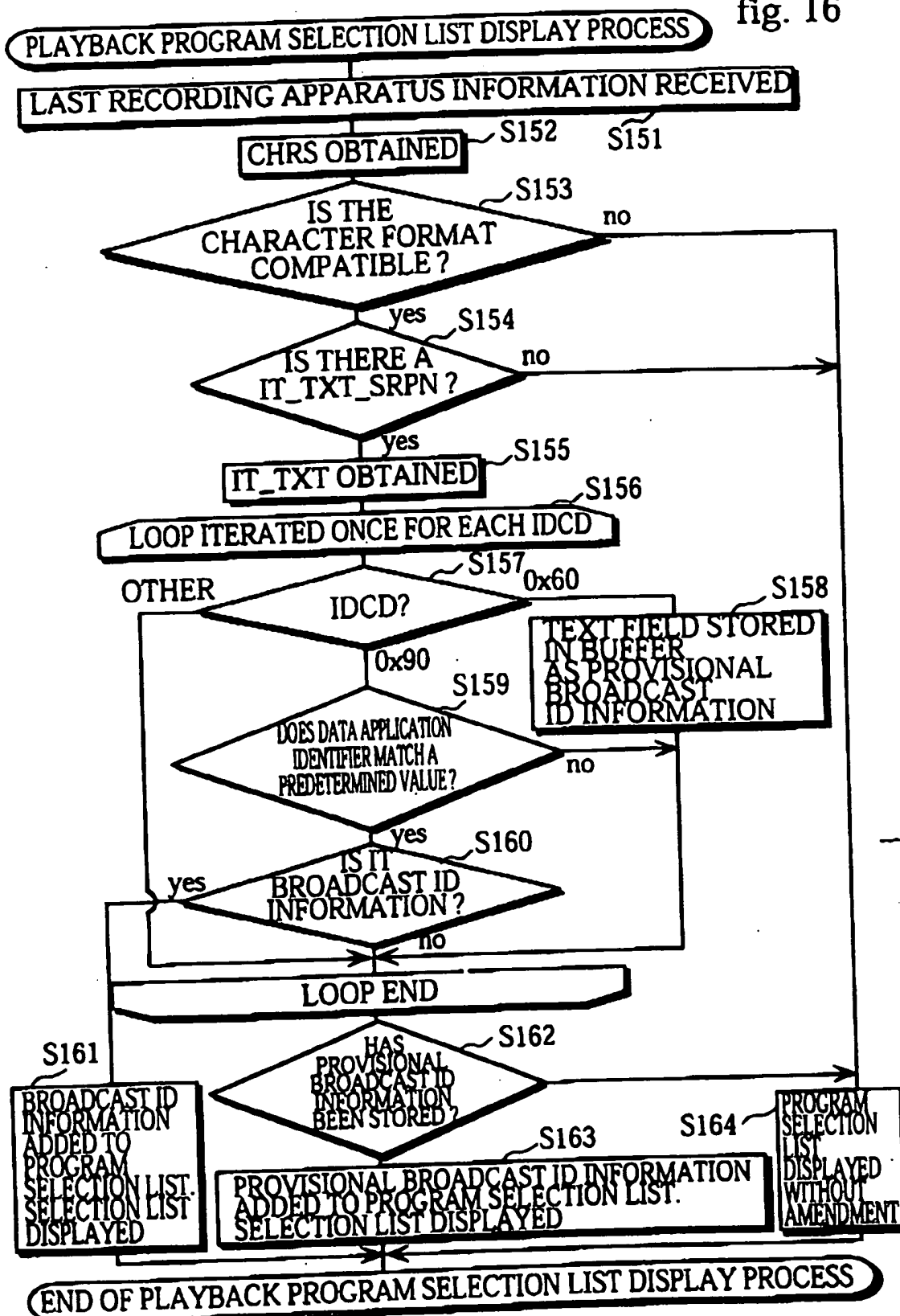
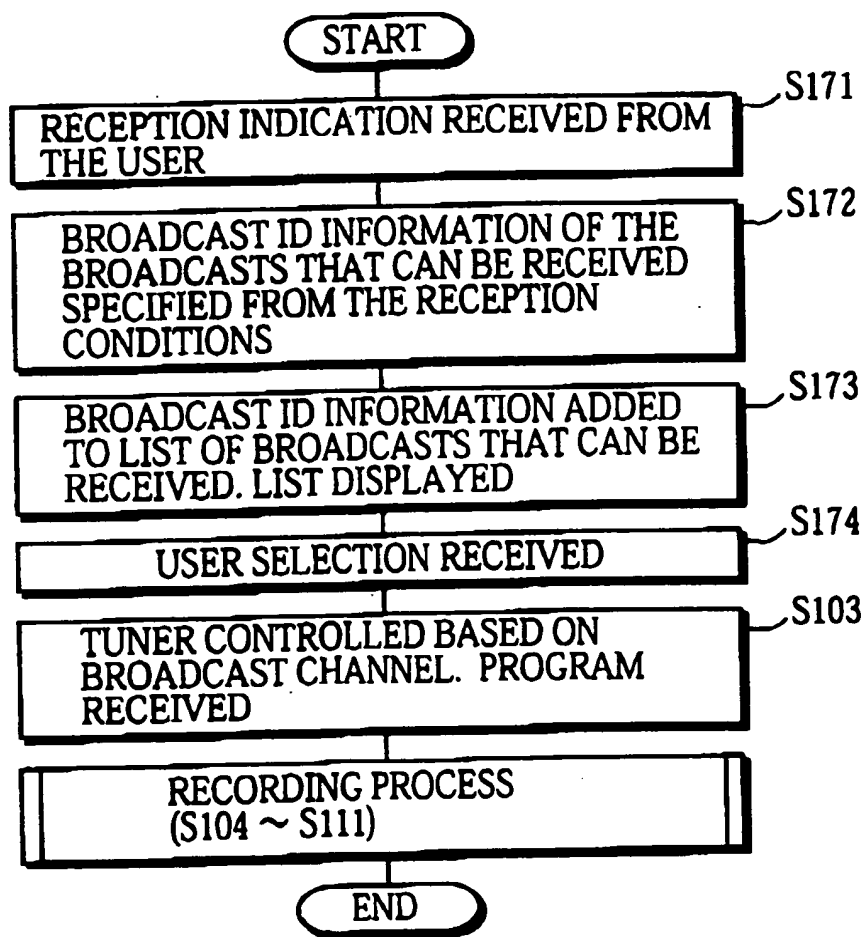


fig. 17

| | | | |
|---|----------------------------|----|------|
| 1 | NHK GENERAL (TOKYO) | TA | 2ch |
| 2 | NHK EDUCATIONAL (OSAKA) | TA | 12ch |
| 3 | ABC | TA | 6ch |
| 4 | wowow | CA | 16ch |
| 5 | NHK SATELLITE 1 | BA | 7ch |

▽

fig. 18



1. The first step is to identify the problem or goal. This involves understanding the current situation and what needs to be achieved.

▽

fig. 20

| RECEPTION CONDITION | BROADCAST CHANNEL | | BROADCAST ID INFORMATION | |
|------------------------|---------------------|-----------------------------|--------------------------|-------------------|
| | BROADCAST FORMAT | BROADCAST CHANNEL NUMBER | GROUP | VARIATION |
| TOKYO | TA | 2 | NHK | GENERAL TOKYO |
| TOKYO | TA | 12 | NHK | EDUCATIONAL TOKYO |
| OSAKA | TA | 2 | NHK | GENERAL OSAKA |
| OSAKA | TA | 12 | NHK | EDUCATIONAL OSAKA |
| OSAKA | TA | 6 | ABC | VHF |
| NATIONWIDE | BA | 7 | NHK | SATELLITE 1 |
| NATIONWIDE | BA | 11 | NHK | SATELLITE 2 |
| NATIONWIDE | BA | 150 | WOWOW | DIRECTV |
| XYZ CABLE TV | CA | 16 | WOWOW | XYZ CABLE TV |

fig. 21

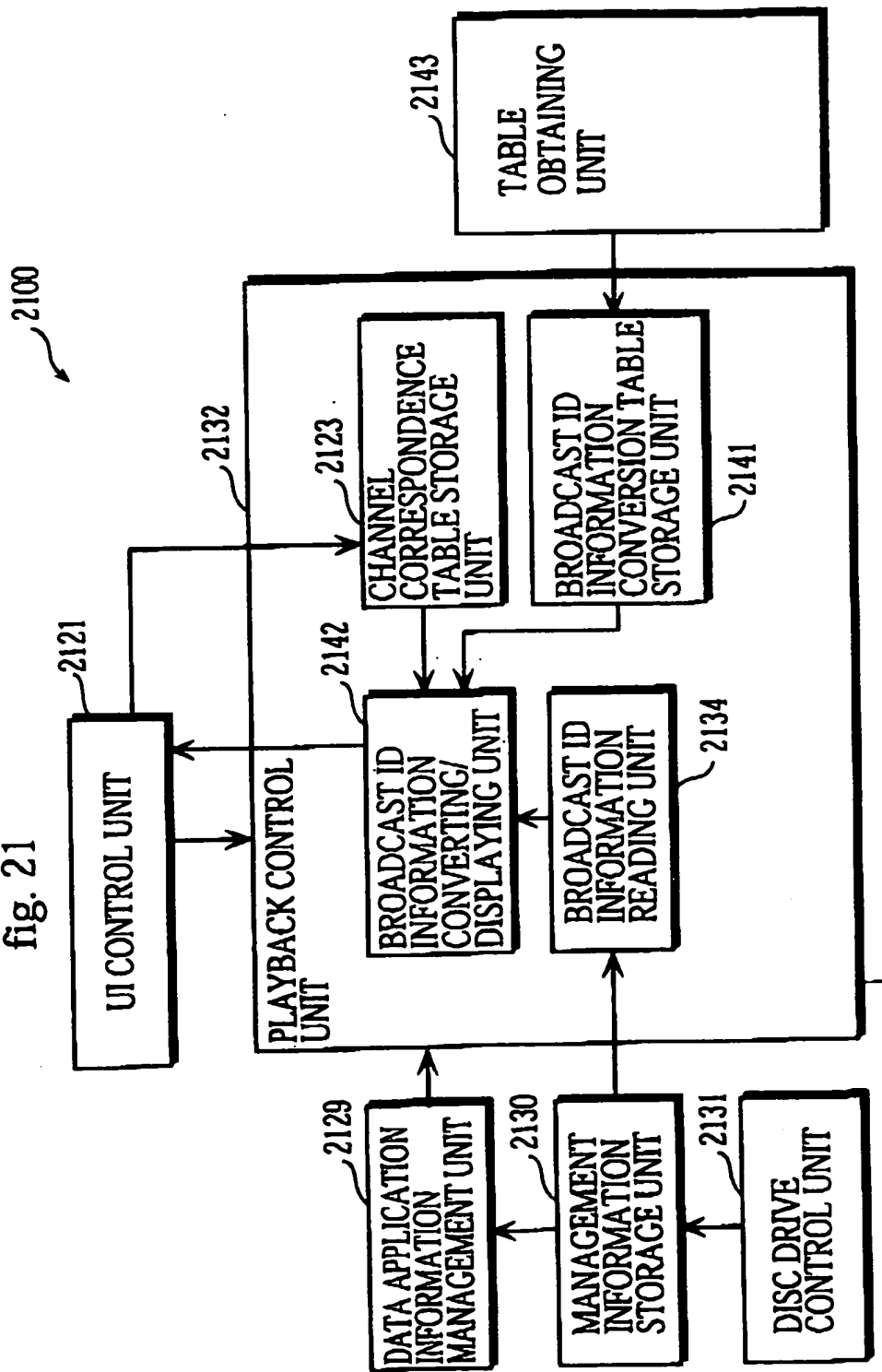


fig. 22

| BROADCAST ID INFORMATION | | BROADCAST CHANNEL | |
|--------------------------|-------------------|---------------------|-----------------------------|
| GROUP | VARIATION | BROADCAST FORMAT | BROADCAST CHANNEL NUMBER |
| NHK | OSAKA GENERAL | TA | 2 |
| NHK | OSAKA EDUCATIONAL | TA | 12 |
| ABC | VHF | TA | 6 |
| NHK | SATELLITE 1 | BA | 7 |
| NHK | SATELLITE 2 | BA | 11 |
| | | | |

005007 72962960

fig. 23

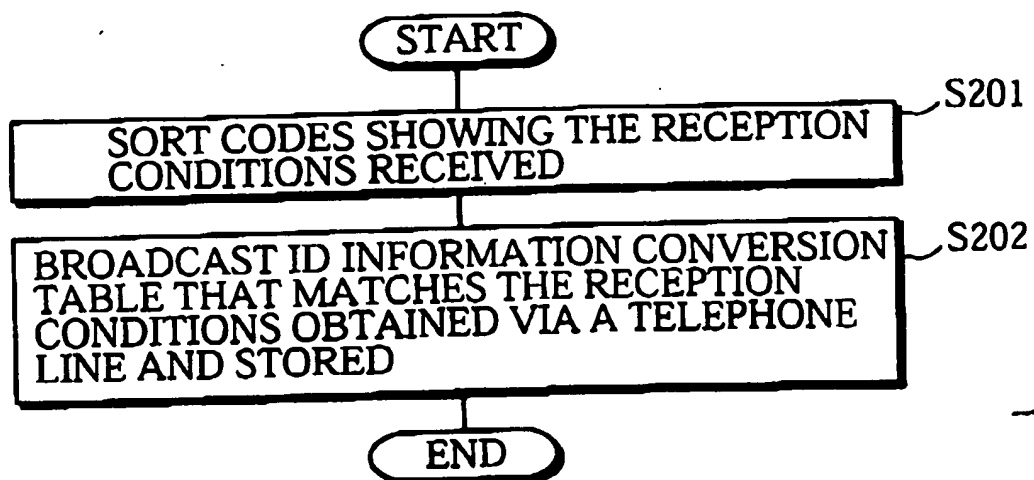
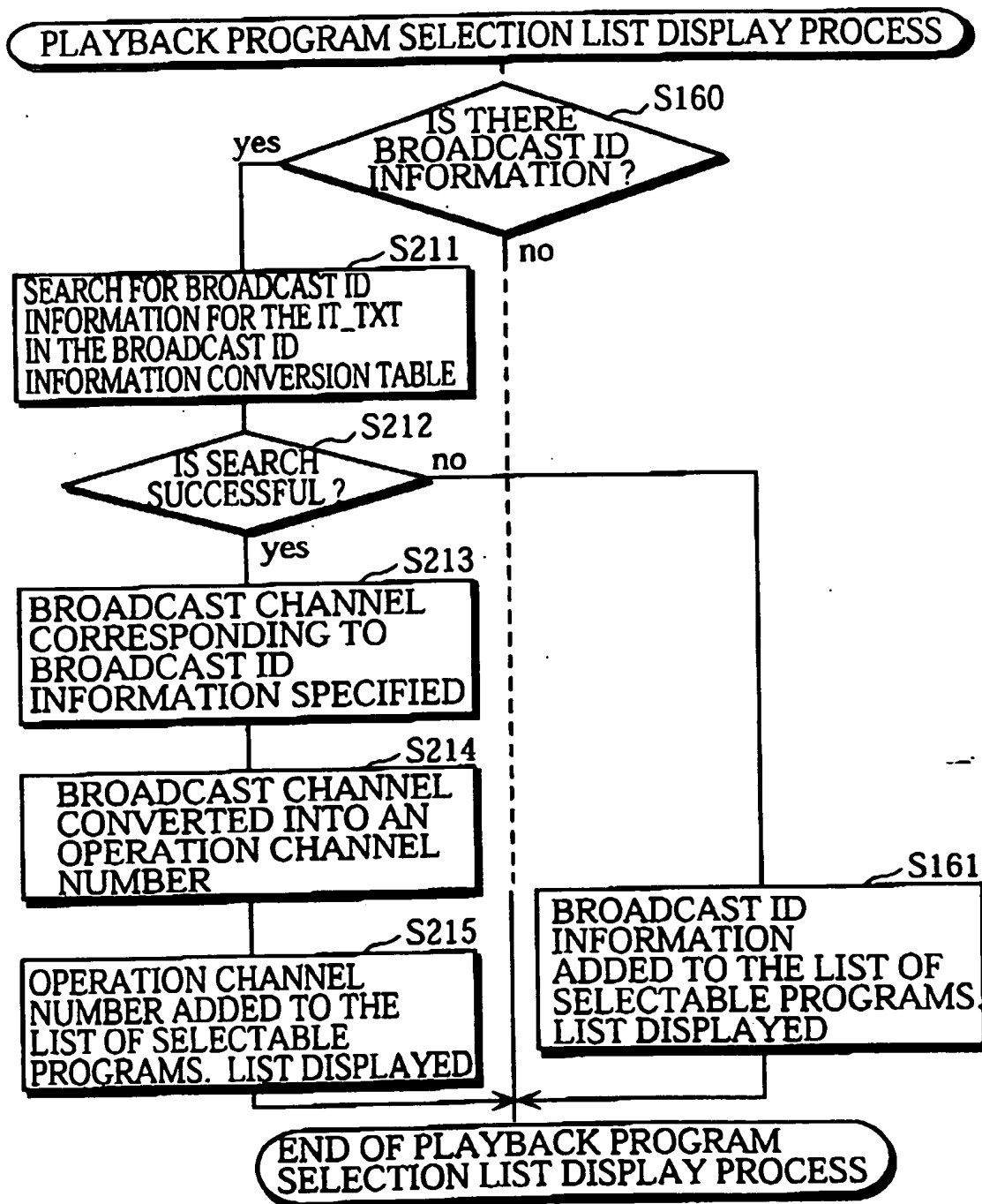


fig. 24



00500T" F2562560

fig. 25

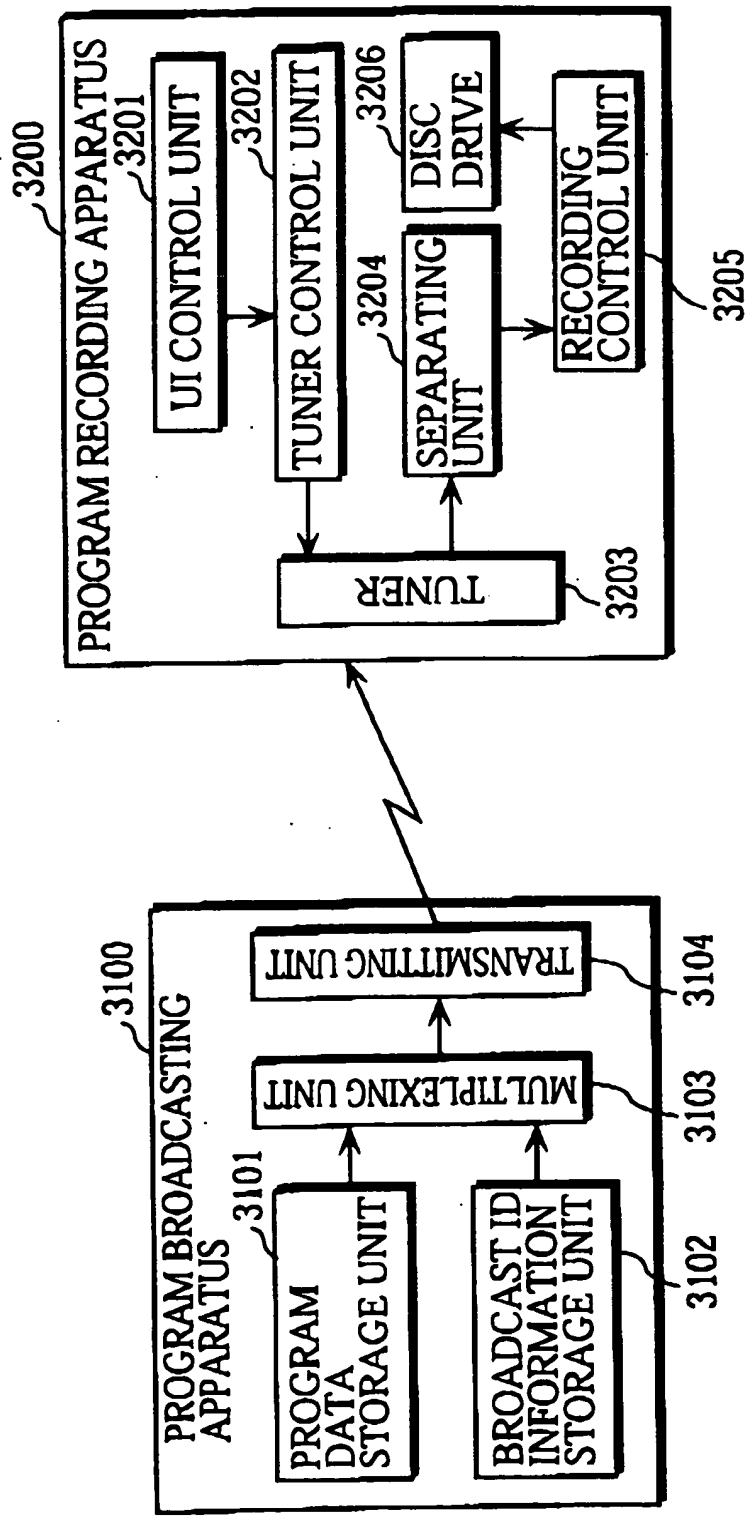


fig. 26

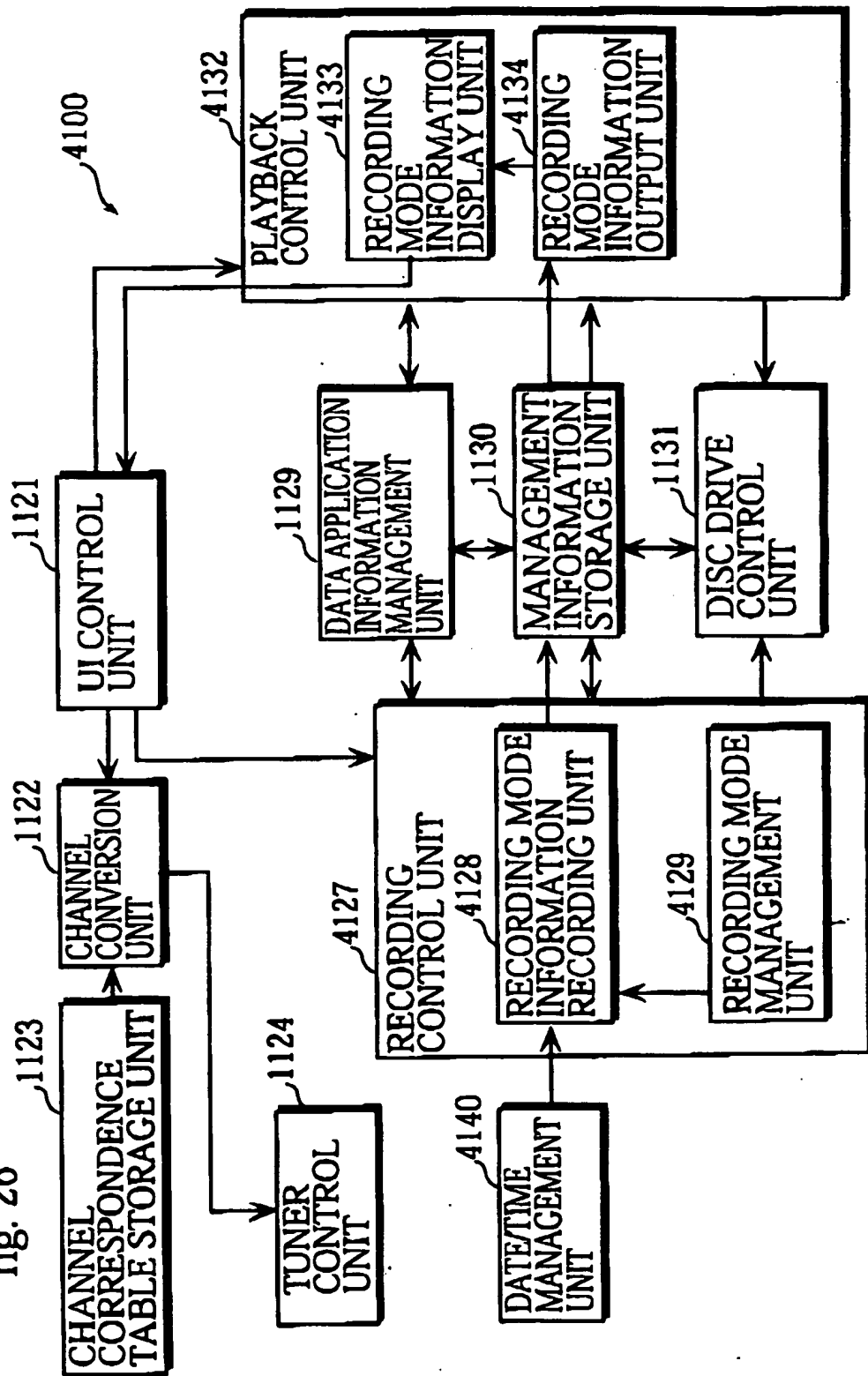


fig. 27

| RECORDING MODE | AVERAGE BITRATE(Mbps) | ASCII | SJIS | ... |
|--------------------|-----------------------|------------|------------|-----|
| XP (HIGH QUALITY) | 10.08 | 'X' = 0x58 | 'X' = 0x58 | |
| SP (STANDARD PLAY) | 5.04 | 'S' = 0x53 | 'S' = 0x53 | |
| LP (EXTENDED PLAY) | 2.52 | 'L' = 0x4c | 'L' = 0x4c | |
| FR (FREE SETTING) | 2.52 ~ 10.08 | 'F' = 0x46 | 'F' = 0x46 | |

fig. 28

| ITEM | SIZE(byte) | EXAMPLE SETTING |
|-----------------------------|------------|-----------------|
| IDCD | 1 | 0x90 |
| TXT_SZ | 1 | 0x1b |
| DATA APPLICATION IDENTIFIER | 9 | "dvdrvrx010" |
| USE | 2 | "BR" |
| TIME | 12 | "200001010000" |
| RECORDING MODE | 1 | 0x58('X') |
| BITRATE | 3 | 0x004e60 |

4501 4502 4503

fig. 29

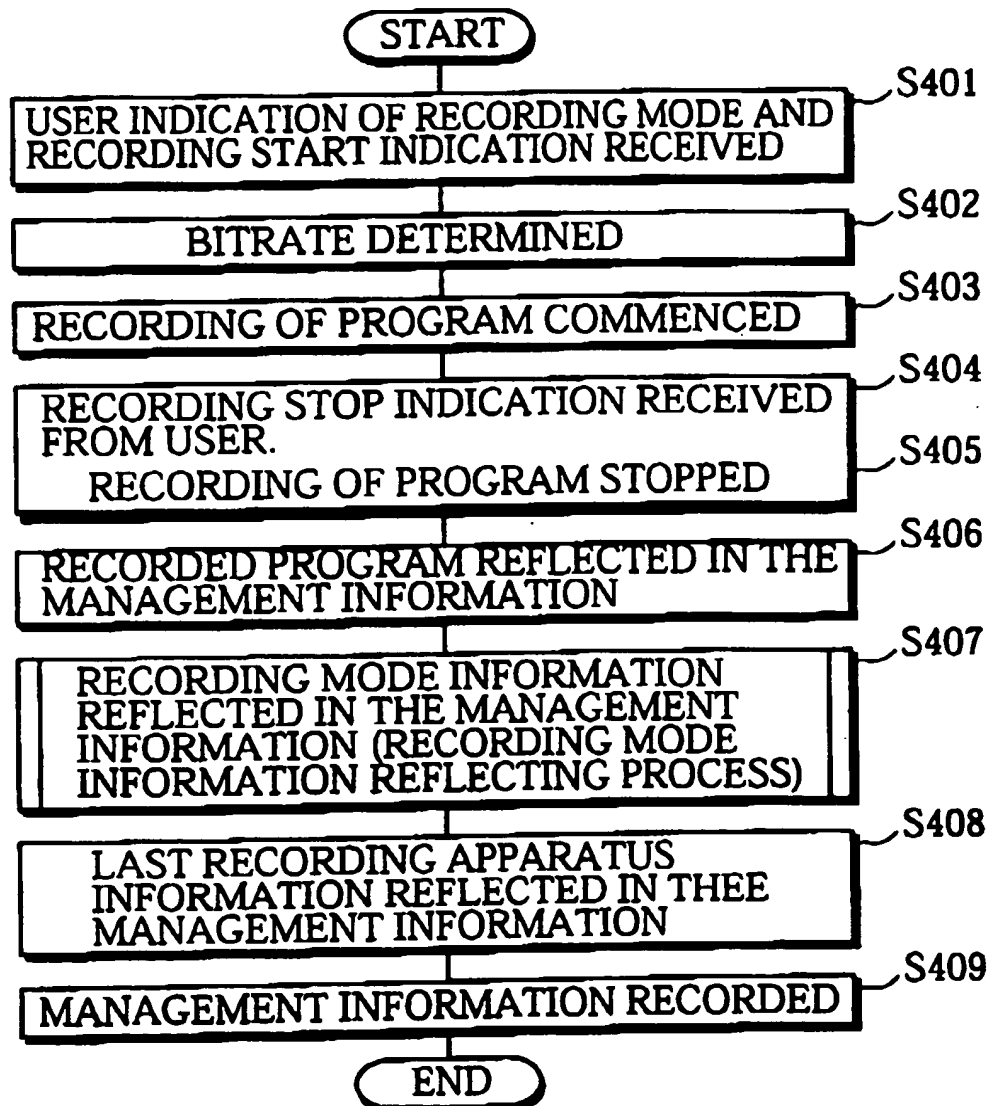
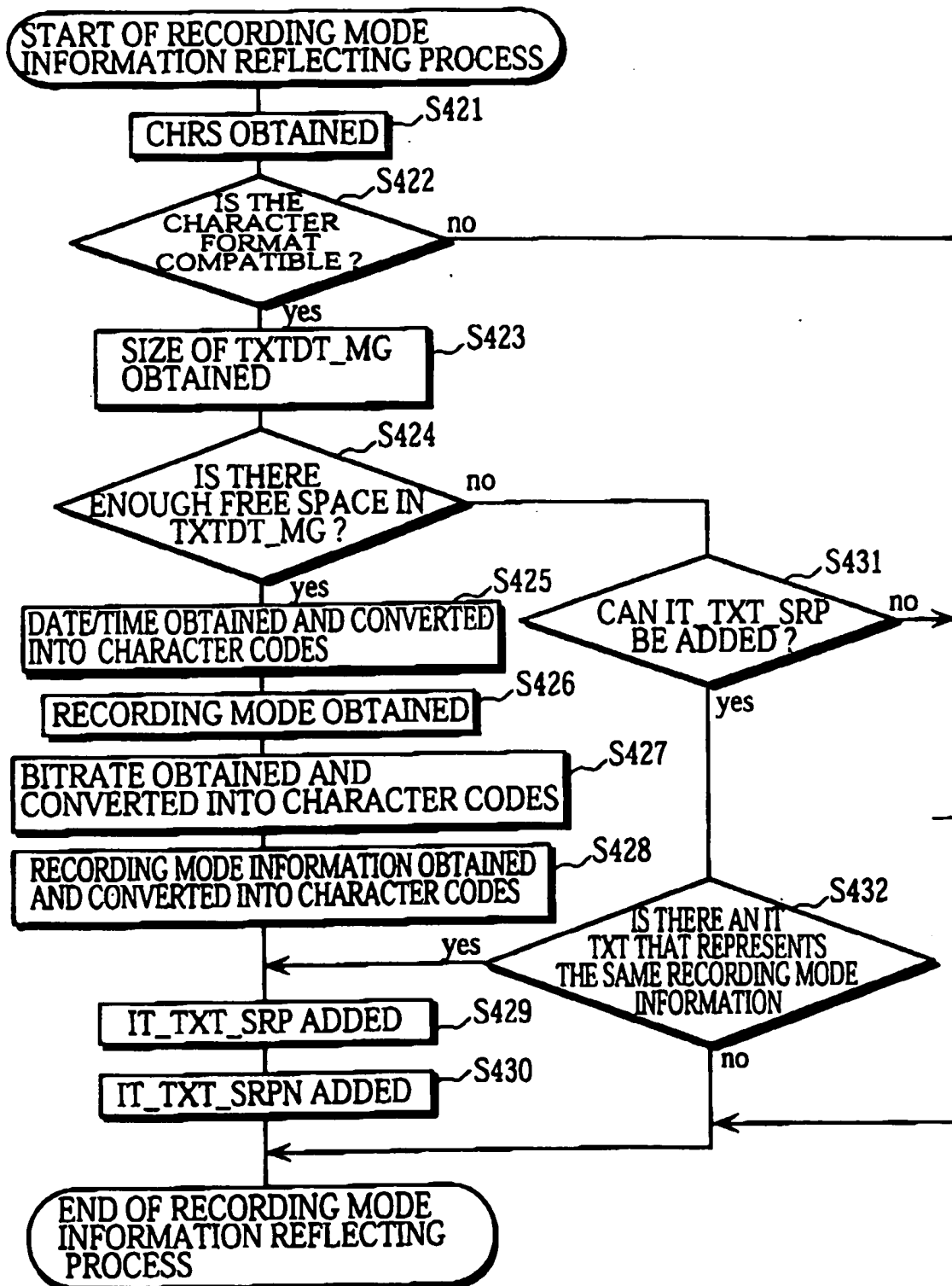


fig. 30



00500T 100000

RECORDED PROGRAM LIST DISPLAY PROCESS

fig. 32

